

PATENT

Attorney Docket No.: 67461-5100US02

Former/Client Ref. No.: A-71386-8

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE



In re application of:

LAZAR *et al.*

Application No.: 10/822,231

Filed: March 26, 2004

For: *Optimized Fc Variants and  
Methods for Their Generation*

Confirmation No.: 1316

Examiner: Chun Crowder

Art Unit: 1644

CERTIFICATE OF MAILING

I hereby certify that this correspondence, including listed enclosures, is being deposited with the United States Postal Service as First Class Mail in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, P.O. BOX 1450, Alexandria, VA 22313-1450 on:

Dated:

*June 22, 2007*

Signed:

*Victoria Linne Poulsen*  
Victoria Linne Poulsen

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Mail Stop AF  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313

Sir:

In satisfaction of the duty of disclosure under 37 C.F.R. § 1.56, and in accordance with the provisions of 37 C.F.R. §§ 1.97 and 1.98, Applicants wish to draw the attention of the U.S. Patent and Trademark Office to the references cited on the accompanying form PTO/SB/08A. In accordance with 1287 Off. Gaz. Pat. Office 163, 10/19/2004, no copies of U.S. patents and U.S. published applications are enclosed.

Further, in accordance with the provisions of 37 C.F.R. §§ 1.97(c) and 1.97(e)(1), the undersigned certifies that the references listed on the enclosed substitute for form PTO-1449 marked with the symbol (†) were first cited in an International Search Report dated May 18, 2007, for counterpart PCT application PCT/US2006/039306. A copy of the International Search Report for the counterpart PCT application is enclosed herewith.

References cited in the search report and not submitted herein have been previously disclosed by Applicants in the instant application and are marked with the symbol (‡).

Application No.: 10/822,231  
Filed: March 26, 2004

This application is a continuation-in-part of U.S. Application: Serial No. U.S.S.N. 10/672,280 filed September 26, 2003 (pending); upon which the instant application relies for its priority date.

Further, in satisfaction of the duty of disclosure under 37 C.F.R. § 1.56, and as required by M.P.E.P. § 2001.06(b), Applicant notes that the present application is related to the following pending patent applications:

1. U.S.S.N. 11/747,804, filed, May 11, 2007;
2. U.S.S.N. 11/686,853, filed March 15, 2007;
3. U.S.S.N. 11/618,457, filed December 29, 2006;
4. U.S.S.N. 11/618,472, filed December 29, 2006;
5. U.S.S.N. 11/618,488, filed December 29, 2006;
6. U.S.S.N. 11/544,165, filed October 6, 2006;
7. U.S.S.N. 11/495,242, filed July 27, 2006;
8. U.S.S.N. 11/483,378, filed July 7, 2006;
9. U.S.S.N. 11/174,287, filed June 30, 2005; and
10. U.S.S.N. 11/396,495, filed March 31, 2006;
11. U.S.S.N. 11/124,620, filed May 5, 2005;
12. U.S.S.N. 11/004,590, filed December 3, 2004;
13. U.S.S.N. 10/379,392 filed March 3, 2003 (now abandoned.)

Nothing herein shall constitute an admission concerning the contents of any of the cited references, nor shall the inclusion of a reference herein be considered an admission that the reference constitutes prior art against the invention claimed in the above-identified application. Submission of the present document shall not be construed as an admission that a search has been made or that better art does not exist.

Pursuant to 37 C.F.R. §1.97(c), the Commissioner is authorized to charge the amount of **\$180.00** as set forth in 37 C.F.R. §1.17(p) to Morgan, Lewis & Bockius LLP Deposit Account No. 50-0310 (File No. 067461-5100-US02).

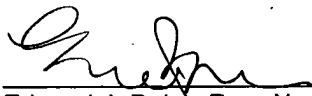
Application No.: 10/822,231  
Filed: March 26, 2004

Although no further fees are believed to be due, the Commissioner is authorized to charge any additional required fees, including fees for extensions of time, or credit any overpayment to Morgan, Lewis & Bockius LLP Deposit Account No. 50-0310 (File No.: 67461-5100-US02).

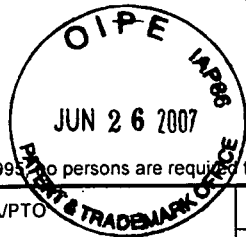
Respectfully submitted,  
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*Filed Under 37 C.F.R. 1.34*

I-SF/7559964.1



Substitute PTO/SB/08A (07-05)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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<b>Substitute for form 1449A/PTO (Modified)</b>  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)			<b>Complete if Known</b>		
			Application Number	10/822,231	
			Filing Date	March 26, 2007	
			First Named Inventor	Lazar et al.	
			Art Unit	1644	
			Examiner Name	Crowder, Chun	
Sheet	1		1	Attorney Docket Number	067461-5100-US02

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	A1				

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>2</sup> Number <sup>3</sup> Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
	B1 †	WO 2005/056759 A	23 June 2005	Xencor, Inc.		
	B2 †	WO 2003/059282 A	24 July 2003	Madarex, Inc.		
	B3 †	WO 2005/056606 A	23 June 2005	Xencor, Inc.		
	B4 †	WO 2004/029207 A	8 April 2004	Xencor		

NON PATENT LITERATURE DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.				T <sup>6</sup>
	C1 †	SHIELDS, R. L., et al., "High Resolution Mapping of the Binding Site on Human IgG1 for FcγRI, FcγRII, FcγRIII, and FcRn and Design of IgG1 Variants with Improved Binding to the FcγR" <i>J. Biol. Chem.</i> , 276(9):6591-6604 (2001).				
	C2 †	SHINKAWA, T., et al., "The Absence of Fucose but Not the Presence of Galactose or Bisecting N-Acetylglucosamine of Human IgG1 complex-type Oligosaccharides Shows the Critical Role of Enhancing Antibody-dependent Cellular Cytotoxicity" <i>J. Biol. Chem.</i> , 278(5):3466-3473 (2003).				
	C3 †	YAMANE-OHNUKI N. ET AL., "Establishment of FUT8 knockout chinese hamster ovary cells: an ideal host cell line for producing completely defucosylated antibodies with enhanced antibody-dependent cellular cytotoxicity", <i>Biotechnology and Bioengineering Interscience Publishers, London, GB</i> , vol. 87, no. 5, 5 September 2004.				

1-SF/7559974.1

Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English Language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the complete application form to the USPTO. Time will vary depending on the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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